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ATTORNEY DOCKET NO. FIRST NAMED INVENTOR FILING DATE APPLICATION NO

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR			
			- -7	EXAMINER	
				ART UNIT	PAPER NUMBER
					8
				DATE MAILED:	

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

		Application No.	Applicant(s)				
		09/317,986	YAMANAKA ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Christopher C. Pratt	1771				
	The MAILING DATE of this communication app						
Period fo	• •						
THE - Exte after - If the - If NO - Failt - Any	ORTENED STATUTORY PERIOD FOR REPL'MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1 1 SIX (6) MONTHS from the mailing date of this communication is period for reply specified above is less than thirty (30) days a reply operiod for reply is specified above the maximum statutory period were to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1 704(b)	36(a) In no event, however, may a reply be y within the statutory minimum of thirty (30) d will apply and will expire SIX (6) MONTHS fro. cause the application to become ABANDON.	timely filed ays will be considered timely on the mailing date of this communication NED (35 U.S.C. § 133)				
1)[Responsive to communication(s) filed on 30 J	luly 2001 .					
2a)⊡	This action is FINAL . 2b) Th	is action is non-final.					
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	on of Claims						
4)	Claim(s) 1,6,8 and 10-18 is/are pending in the	application.					
	4a) Of the above claim(s) <u>11-17</u> is/are withdraw	n from consideration.					
5)	Claim(s) is/are allowed.						
6)[Claim(s) <u>1,6,8,10 and 18</u> is/are rejected.						
7)	Claim(s) is/are objected to.						
8)	Claim(s) are subject to restriction and/or	r election requirement.					
Applicati	on Papers						
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11)	The proposed drawing correction filed on		roved by the Examiner.				
	If approved, corrected drawings are required in rep	•					
,	The oath or declaration is objected to by the Exa	aminer.					
Priority ι	ınder 35 U.S.C. §§ 119 and 120						
	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119	(a)-(d) or (f).				
a)[☑ All b) ☐ Some * c) ☐ None of:						
	1. Certified copies of the priority documents	s have been received.					
	2. Certified copies of the priority documents	s have been received in Applica	tion No				
* 5	3. Copies of the certified copies of the prior application from the International Bur see the attached detailed Office action for a list	reau (PCT Rule 17.2(a)).	·				
	cknowledgment is made of a claim for domestic	·					
_ a) ☐ The translation of the foreign language pro Acknowledgment is made of a claim for domesti	visional application has been re	eceived				
Attachmen	•						
2) 🔲 Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) 🔲 Notice of Informa	Iry (PTO-413) Paper No(s)				
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DETAILED ACTION

Response to Amendment

1. Applicant's amendments and accompanying remarks filed 7/30/01 have been entered and carefully considered. Applicant's amendment is found to overcome the 112 indefinite rejection of claim 1. Despite this advance, the amendments are not found to patently distinguish the claims over the prior art and Applicant's arguments are not found persuasive of patentability for reasons set forth herein below.

Claim Rejections - 35 USC § 102

- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 3. Claims 1 and 18 are rejected under 35 U.S.C. 102(b) as being anticipated by Fukata (4454189), as set forth in the last action.

Applicant argues that Fukata fails to disclose a branched and crosslinked polyarlylene sulfide (PAS). Fukata, however, teaches that the amount of crosslinking and branching of the PAS is defined by the non-Newtonian coefficient. Applicant also defines the amount of crosslinking and branching in terms of the non-Newtonian coefficient (claim 1). The examiner notes that Fukata teaches a range of said coefficient anticipating applicant's claimed range (cols. 3-4, lines 65-10). As noted by applicant, Fukata also specifically teaches that branched PAS polymers are used (example 4).

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4. Claims 1 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Harwood et al (6130292), Ikeda et al (4950529), or Auerbach (EP 709499) each in view of Fukata (4454189), as set forth in the last action.

Applicant argues that the combination set forth above does not teach applicant's claimed degree of crosslinking and branching. Fukata clearly teaches this limitation as set forth above.

Applicant argues that a person having ordinary skill in the art would not be motivated to combine the teachings of Fukata with the other references in said combination. The examiner recognizes that references cannot be arbitrarily combined and that there must be some reason why one skilled in the art would be motivated to make the proposed combination of primary and secondary references. In re Nomiya, 184 USPQ 607 (CCPA 1975). However, there is no requirement that a motivation to make the modification be expressly articulated. The test for combining references is what the combination of disclosures taken as a whole would suggest to one of ordinary skill in the art. In re McLaughlin, 170 USPQ 209 (CCPA 1971). References are evaluated by what they suggest to one versed in the art, rather than by their specific disclosures. In re Bozek, 163 USPQ 545 (CCPA) 1969. In this case, it is the examiner's position that one having ordinary skill in the art would have found it obvious to combine the teachings of Fukata with the polymers in of Harwood, Ikeda, and Auerbach. Such a combination would have been motivated by the reasoned expectation of utilizing a polymer, which is superior in spinnability and less liable to gelation (col. 4, lines 10-13), as set forth in the last action.

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5. Claims 6, 8, and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Harwood et al (6130292), Ikeda et al (4950529), or Auerbach (EP 709499) each in view of Fukata (4454189) and Senga (EP 353717).

Applicant argues that Senga does not teach crosslinking and branching. However, Applicant's specification teaches that branching and crosslinking is controlled by the amount of haloaromatic compound present in the reaction mixture (p. 8). Senga, teaches the use of all of applicant's claimed materials including an alkaline metal sulfide and a haloaromatic compound (abstract). Senga also specifically teaches branching the polymer (p. 2, lines 2-3). Said rejection is maintained from the last action.

Conclusion

6. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher Pratt whose telephone number is 703-305-

6559. The examiner can normally be reached on Monday - Friday from 7 am to 4 pm.

If attempts to reach the examiner are unsuccessful, the examiner's supervisor, Terrel Morris can be reached on 703-308-2414. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9310 for regular communications and 703-872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

Christopher C. Pratt August 25, 2001

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